

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

1. (CANCELLED)

2. (ORIGINAL) A data delivering method delivering data to a device which is connected to a network, comprising:

generating structure information including first information for identifying element data to be delivered to a destination device, second information for identifying a device which collects the element data, and third information for identifying the destination device;

collecting element data according to the first information by the device identified by the second information; and

delivering the collected element data from the device identified by the second information to the destination device identified by the third information.

3. (ORIGINAL) The method according to claim 2, wherein

the structure information includes fourth information for assembling collected element data; and

the collected element data is delivered to the destination device after being assembled by the device identified by the second information according to the fourth information.

4. (ORIGINAL) The method according to claim 2, wherein:

the structure information includes fourth information for assembling collected element data; and

the collected element data is assembled by the destination device according to the fourth information.

5. (ORIGINAL) The method according to claim 2, wherein:

the third information specifies a destination group including a plurality of destination devices; and

the device identified by the second information delivers the element data to the plurality of destination devices belonging to the destination group specified by the third information.

6. (ORIGINAL) The method according to claim 2, wherein

the destination device identified by the third information is set as the device identified by the second information in the structure information.

7. (CURRENTLY AMENDED) A data delivering method delivering data from a source device to a destination device in a system including the source device, a first relay device, a second relay device connected to the first relay device in series, and the destination device, comprising:

generating structure information, which includes first information to identify first element data to be collected by the first relay device, second information to identify second element data to be collected by the second relay device and third information to identify the second relay device and the destination device, by the source device;

collecting the first element data by the first relay device according to the first information in the structure information;

transmitting the first element data and the structure information from the first relay device to the second relay device according to the third information in the structure information;

collecting the second element data by the second relay device according to the second information in the structure information; and

delivering the first and the second element data from the second relay device to the destination device according to the third information in the structure information.

8. (CANCELLED)

9. (PREVIOUSLY PRESENTED) A data delivering method delivering data from a source device to a destination device in a system including the source device, a first relay device, and second and third relay devices arranged in parallel, comprising:

generating structure information, which includes first information to identify first element data to be collected by the first relay device, second information to identify second element data to be collected by the second relay device, third information to identify third element data to be collected by the third relay device and fourth information to identify the second relay device and the third relay device, by the source device;

collecting the first element data by the first relay device according to the first information in the structure information;

transmitting the first element data and the structure information from the first relay device to both of the second and third relay devices according to the fourth information in the structure information;

collecting the second element data by the second relay device according to the second information in the structure information;

delivering the first and the second element data from the second relay device to a destination device connected to the second relay device;

collecting the third element data by the third relay device according to the third information in the structure information; and

delivering the first and the third element data from the third relay device to a destination device connected to the third relay device.

10. (ORIGINAL) A data delivering method delivering data from a source device to a destination device in a system including the source device, a first relay device, a plurality of second relay devices arranged in parallel, comprising:

generating, by the source device, structure information including information specifying a relay device group including a plurality of second relay devices;

collecting first element data by the first relay device according to the structure information;

recognizing, by the first relay device, the plurality of second relay devices belonging to the relay device group specified by the structure information;

delivering the first element data to the plurality of second relay devices;

respectively collecting element data by the plurality of second relay devices according to the structure information; and

delivering the first element data and the element data collected by the plurality of second relay devices from the plurality of second relay devices to corresponding destination devices.

11. (CANCELLED)

12. (ORIGINAL) A data delivering system delivering data to a device which is connected to a network, comprising:

a first device which generates structure information including first information for identifying element data to be delivered to a destination device, second information identifying a device which collects the element data, and third information for identifying the destination device; and

a second device which receives the structure information from said first device, collects the element data according to the first information, and delivers the collected element data to the destination device according to the third information, when identified by the second information.

13. (PREVIOUSLY PRESENTED) A data delivering system delivering data from a source device to a destination device in a system including the source device, a first relay device, a second relay device connected to the first relay device in series, and the destination device, the data delivering system comprising:

said source device generating structure information which includes first information to identify first element data to be collected by the first relay device, second information to identify second element data to be collected by the second relay device and third information to identify the second relay device and the destination device,

said first relay device collecting the first element data according to the first information in the structure information and transmitting the first element data and the structure information to said second relay device according to the third information in the structure information, and

said second relay device collecting the second element data and delivering the first and second element data according to the second information in the structure information.

14. (PREVIOUSLY PRESENTED) A data delivering system delivering data from a source device to a destination device in a system including the source device, a first relay device, and second and third relay devices arranged in parallel, the data delivering system comprising:

said source device generating structure information which includes first information to identify first element data to be collected by the first relay device, second information to identify second element data to be collected by the second relay device, third information to identify third element data to be collected by the third relay device and fourth information to identify the second relay device and the third relay device,

said first relay device collecting the first element data according to the first information in the structure information and transmitting the first element data and the structure information to both the second and third relay devices according to the fourth information in the structure information,

said second relay device collecting the second element data and delivering the first and second element data to a destination device connected to said second relay device according to the second information in the structure information, and

said third relay device collecting the third element data and delivering the first and third element data to a destination device connected to said third relay device according to the third information in the structure information.

15. (ORIGINAL) A delivery source device, arranged in a data delivering system where structure information including first information for identifying element data to be delivered to a destination device, second information for identifying a device that collects the element data, and third information for identifying the destination device is generated, the device identified by the second information collects the element data according to the first information, and the collected element data is delivered from the device identified by the second information to the destination device identified by the third information, comprising:

a generating unit generating the structure information; and

a transferring unit transferring the structure information to the device identified by the second information.

16. (ORIGINAL) A relay device, arranged in a data delivering system where structure information including first information for identifying element data to be delivered to a destination device, second information for identifying the relay device that collects the element data, and third information for identifying the destination device is generated by a delivery source device, and the element data identified by the first information is collected and delivered to the destination device according to the third information, comprising:

a collecting unit collecting element data according to the first information; and

a transferring unit transferring the element data collected by said collecting unit to the destination device identified by the third information.

17. (ORIGINAL) A storage medium having computer readable program code, comprising:

first program code generating structure information including first information for identifying element data to be delivered to a destination device, second information for identifying a device that collects the element data, and third information for identifying the destination device; and

second program code transferring the structure information to a device identified by the second information.

18. (ORIGINAL) A storage medium having computer readable program code, comprising:

first program code analyzing structure information including first information for identifying element data to be delivered to a destination device, and second information for identifying the destination device;

second program code collecting element data according to the first information; and

third program code transferring the element data to the destination device according to the second information.